

was well advanced at the close of the month, except in the wetter areas. Planting made better progress in the central and eastern portions of the belt the latter part of the month, but was generally backward.

Conditions were mostly favorable for pastures and ranges except that grass started slowly in most central and eastern portions of the country because of low temperatures. Ranges were needing moisture in the Southwest and rain was needed from the Lake region eastward, but the generous precipitation in the central and southern Plains area was very beneficial.

It was too cool for gardens and truck crops in the Central States, but truck as a rule made fairly good

progress in the South. Good rains broke the drought in the trucking districts of southeastern Florida early in the month and melons made fair progress in that State. Early peaches showed serious damage in parts of the upper Ohio Valley and eastern West Virginia from the freeze the latter part of March, but the weather during April was generally favorable for all fruits that had escaped the previous freezes, although there was some damage by frost in parts of the more western States, particularly in Utah and Oregon. Oranges and lemons blossomed heavily and were setting well in California, but conditions were rather less favorable in Florida where fruit was dropping in the drier areas.

### CLIMATOLOGICAL TABLES.<sup>1</sup>

#### CONDENSED CLIMATOLOGICAL SUMMARY.

In the following table are given for the various sections of the climatological service of the Weather Bureau the monthly average temperature and total rainfall; the stations reporting the highest and lowest temperatures, with dates of occurrence; the stations reporting the greatest and least total precipitation; and other data as indicated by the several headings.

The mean temperature for each section, the highest and lowest temperatures, the average precipitation, and the greatest and least monthly amounts are found by using all trustworthy records available.

The mean departures from normal temperatures and precipitation are based only on records from stations that have 10 or more years of observations. Of course, the number of such records is smaller than the total number of stations.

*Condensed climatological summary of temperature and precipitation by sections, April, 1923.*

Section.	Temperature.								Precipitation.							
	Section average.	Departure from the normal.	Monthly extremes.						Section average.	Departure from the normal.	Greatest monthly.		Least monthly.			
			Station.	Highest.	Date.	Station.	Lowest.	Date.			Station.	Amount.	Station.	Amount.		
Alabama.....	63.3	+0.2	2 stations.....	90	25	2 stations.....	24	1	5.97	+1.45	Cochrane.....	10.91	Eufaula.....	2.56		
Alaska.....																
Arizona.....	57.5	-1.0	Gila Bend.....	90	28	Fort Valley.....	11	23	0.42	-0.10	Williams.....	2.49	7 stations.....	0.00		
Arkansas.....	61.4	+0.5	Calico Rock.....	95	24	Bee Branch.....	23	1	6.30	+1.51	Arkansas City.....	10.24	Harrison.....	1.57		
California.....	54.3	-2.4	Greenland Ranch.....	102	16	2 stations.....	18	3	4.06	+2.38	Giant Forest.....	17.25	Indio.....	0.00		
Colorado.....	41.5	-0.7	2 stations.....	87	17	Estes Park.....	-10	16	1.31	-0.58	Savage Basin.....	4.34	Yampa.....	T.		
Florida.....	71.6	+1.8	Orlando.....	90	23	3 stations.....	34	1	2.39	-0.37	De Funiki Springs.....	8.92	Bradenton.....	0.01		
Georgia.....	63.7	+0.3	Statesboro.....	96	23	Clayton.....	16	1	3.92	+0.36	Canton.....	7.91	Waycross.....	0.82		
Hawaii.....	70.5	-0.25	2 stations.....	90	25	Volcano Observatory, Hawaii.....	49	16	11.70	+3.71	Volcano Observatory, Hawaii.....	60.80	Kekaha, Kauai.....	2.22		
Idaho.....	44.2	-0.5	Hollister.....	88	17	Stanley.....	0	8	1.86	+0.33	Cuprum.....	4.02	Glenns Ferry.....	0.10		
Illinois.....	51.2	-0.6	Harrisburg.....	89	22	3 stations.....	16	1	2.39	-1.62	New Burnside.....	5.12	Freeport.....	0.85		
Indiana.....	49.0	-2.7	Madison.....	87	27	Laporte.....	7	1	2.47	-1.00	Rome.....	5.12	Notre Dame.....	0.90		
Iowa.....	48.4	-0.3	3 stations.....	85	29	Inwood.....	11	8	2.09	-0.77	Little Sioux.....	4.26	Keosauqua.....	0.47		
Kansas.....	54.3	+0.7	3 stations.....	88	19	Smith Center.....	12	3	2.49	-0.15	Overbrook.....	5.06	Hugoton.....	0.15		
Kentucky.....	54.8	-1.1	2 stations.....	90	22	2 stations.....	13	1	4.88	+0.94	Taylorville.....	6.79	Jackson.....	2.96		
Louisiana.....	67.9	+1.0	Alexandria.....	92	24	2 stations.....	32	1	6.24	+1.52	Alexandria.....	12.97	Morgan City.....	1.60		
Maryland-Delaware.....	51.5	-0.8	Frederick, Md.....	88	21	Grantsville, Md.....	-3	1	4.16	+0.82	Crisfield, Md.....	7.08	State Sanatorium, Md.....	2.29		
Michigan.....	39.6	-2.6	2 stations.....	83	20	Bergland.....	-34	1	1.80	-0.45	Mackinac Island.....	4.30	Sidnaw.....	0.40		
Minnesota.....	40.7	-2.2	Red Lake.....	88	19	Wainwright.....	-10	3	1.72	-0.29	Canby.....	4.04	Red Lake.....	0.21		
Mississippi.....	64.1	+0.1	Waynesboro.....	90	26	Hernando.....	23	1	8.54	+3.12	Brookhaven.....	16.16	Poplarville.....	3.26		
Missouri.....	54.2	-0.6	Hollister.....	92	23	Lebanon.....	14	1	3.12	-0.74	Poplar Bluff.....	6.08	Gorin.....	1.12		
Montana.....	41.6	-0.6	Livingston.....	87	16	Wheaton.....	-12	7	1.08	+0.01	Livingston.....	5.84	Medicine Lake.....	0.22		
Nebraska.....	48.1	-0.7	3 stations.....	91	19	Harrison.....	6	24	2.50	+0.02	Table Rock.....	6.27	Bingham.....	0.25		
Nevada.....	47.6	-1.3	2 stations.....	89	16	Rye Patch.....	4	24	1.12	+0.42	Lamolle.....	3.31	2 stations.....	0.10		
New England.....	42.4	-0.2	2 stations.....	87	21	Bloomfield, Vt.....	-12	1	5.03	+1.97	Cornish, Me.....	7.58	Cornwall, Vt.....	2.35		
New Jersey.....	50.0	+0.5	Paterson.....	91	21	Culvers Lake.....	3	1	3.56	-0.10	Camp Dix.....	5.59	Phillipsburg.....	2.27		
New Mexico.....	50.5	+0.1	Deming (near).....	91	29	McGaffey Ranger Station.....	8	5	1.25	+0.13	Logan.....	4.30	3 stations.....	0.00		
New York.....	43.3	-1.0	Rhinebeck.....	92	21	North Lake.....	-24	1	2.50	-0.21	Medford.....	5.01	Lauterbrunnen.....	0.40		
North Carolina.....	57.1	-0.5	4 stations.....	73	21	3 stations.....	7	1	4.18	+0.61	Rock House.....	5.90	Wilmington.....	1.28		
North Dakota.....	38.6	-3.1	Jamestown.....	89	18	Willow City.....	-15	1	1.45	+0.07	Dunn Center.....	3.82	Pembina.....	T.		
Ohio.....	48.4	-1.4	Clarington.....	88	22	2 stations.....	2	1	2.60	-0.58	Feebles.....	5.76	Youngstown.....	1.16		
Oklahoma.....	60.2	+0.5	Holdenville.....	93	7	Oakwood.....	22	5	4.00	+0.84	McAlester.....	7.43	Kenton.....	0.60		
Oregon.....	48.3	+0.7	2 stations.....	88	16	Crater Lake.....	5	18	2.33	-0.08	Willow Creek.....	7.27	Warmspring.....	0.15		
Pennsylvania.....	49.3	-0.4	Catawissa.....	89	21	3 stations.....	-5	1	2.04	-0.57	Coatesville.....	5.89	Turnerville.....	1.00		
Porto Rico.....	74.1	-1.1	2 stations.....	94	19	Albonito.....	47	15	5.87	+1.12	Maricao.....	14.55	Santa Isabel.....	1.77		
South Carolina.....	61.5	-0.9	7 stations.....	94	23	Landrum.....	18	1	3.48	+0.50	Anderson.....	8.25	Paris Island.....	0.70		
South Dakota.....	44.4	-0.9	2 stations.....	95	18	Mud Butte.....	-5	8	1.72	-0.17	Castlewood.....	4.08	Elk Mountain.....	0.31		
Tennessee.....	57.6	-0.9	2 stations.....	88	23	2 stations.....	14	1	5.07	+0.55	Waynesboro.....	9.42	Elizabethtown.....	2.19		
Texas.....	68.2	+0.1	San Benito.....	103	20	Lieb.....	27	8	4.16	+0.94	Bon Wier.....	13.88	3 stations.....	0.00		
Utah.....	45.4	-1.8	St. George.....	83	16	Laketown.....	9	8	2.07	+0.80	High Line City Creek.....	6.04	Kelton.....	0.06		
Virginia.....	53.8	-0.6	Columbia.....	87	21	Burkes Garden.....	3	1	3.51	+0.20	Diamond Springs.....	6.85	Radford.....	1.64		
Washington.....	49.5	+1.1	Hanford.....	88	16	Bumping Lake.....	20	9	1.61	-0.54	Quinalt.....	6.88	Warapo.....	0.05		
West Virginia.....	50.1	-1.2	Sutton.....	88	21	Cheat Bridge.....	-4	1	3.45	-0.10	Bruceton Mills.....	8.08	Upper Tract.....	1.00		
Wisconsin.....	41.0	-2.3	Wisconsin Rapids.....	85	26	Long Lake.....	-18	1	2.17	-0.27	Stevens Point.....	5.35	Cecil.....	0.66		
Wyoming.....	38.6	-1.9	Deaver.....	90	18	Moran.....	-4	10	1.70	+0.09	Middle Fork Ranger Station.....	5.58	Hyattville.....	0.00		

<sup>1</sup> For description of tables and charts, see REVIEW, July, 1922, pp. 384-385.

\* Other dates also.